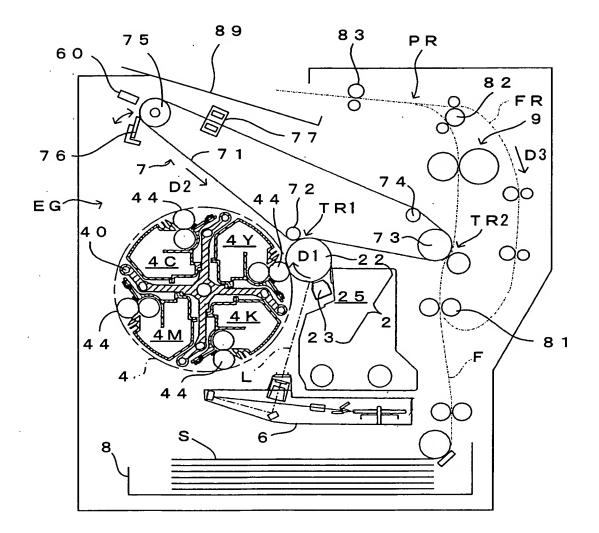
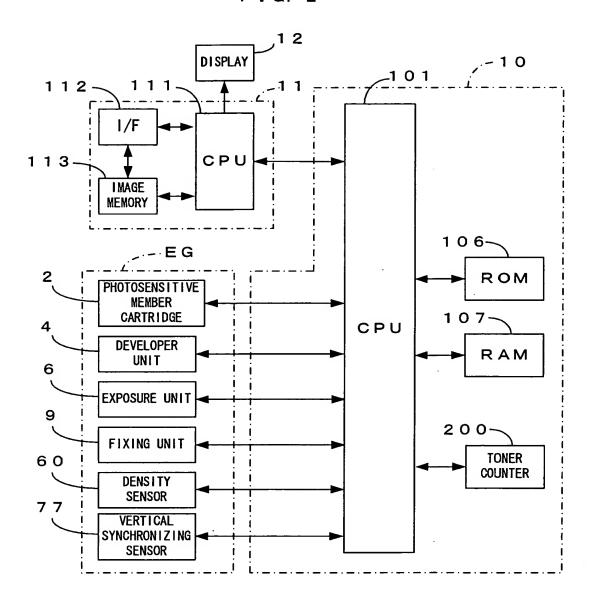
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FIG. 1



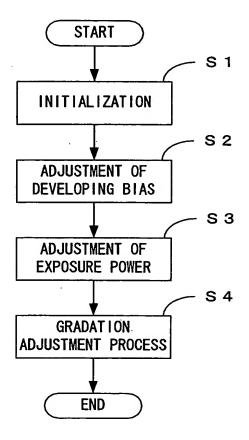
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 2 of 18

FIG. 2



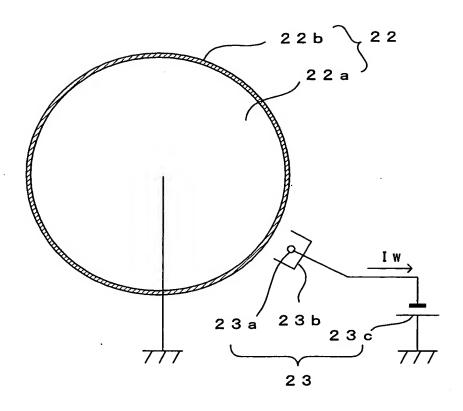
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 3 of 18

FIG. 3



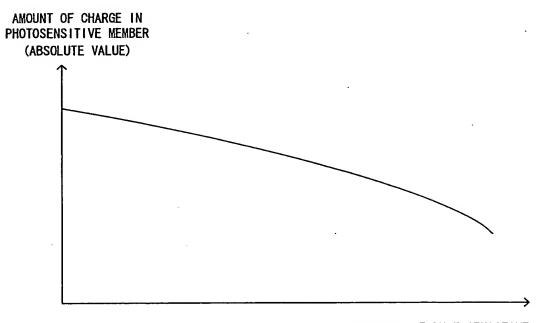
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FIG. 4



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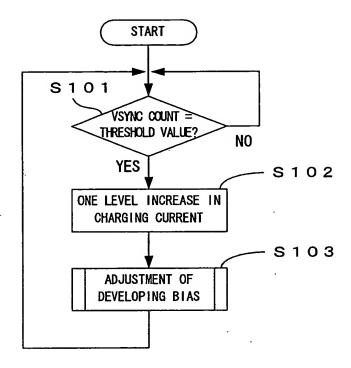
FIG. 5



DETERIORATION OF PHOTOSENSITIVE MEMBER CONTAMINATION OF CHARGER WIRE

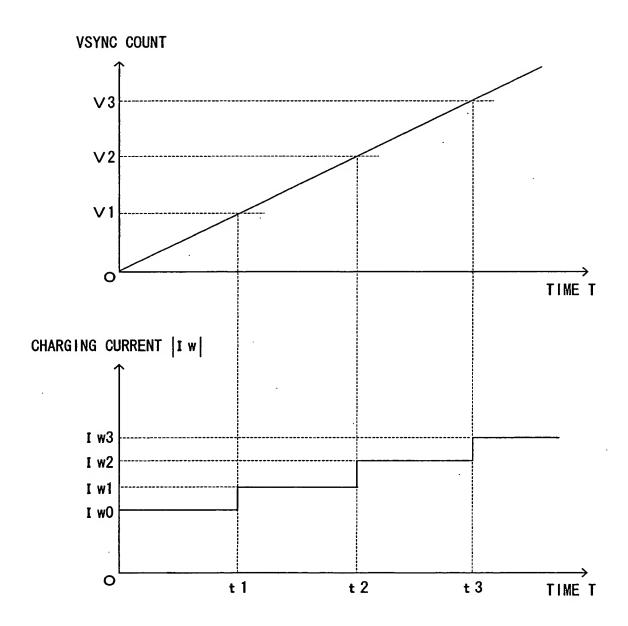
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 6 of 18

FIG. 6



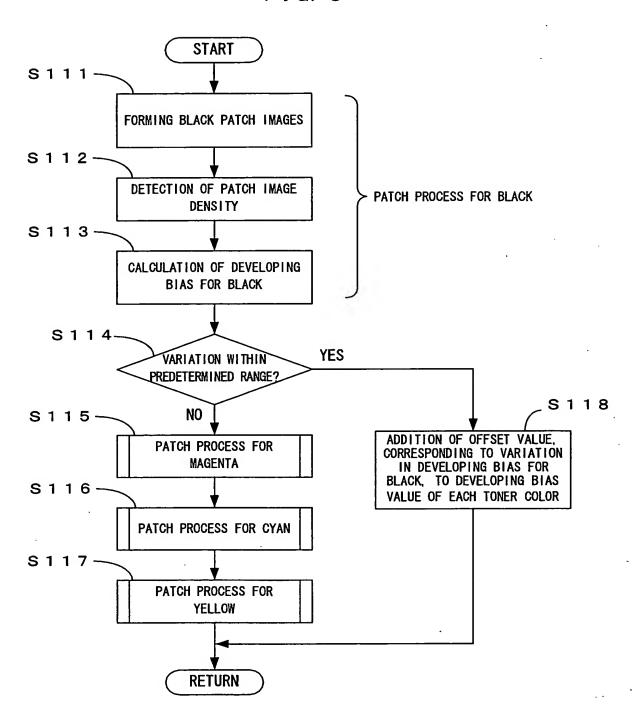
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 7 of 18

FIG. 7



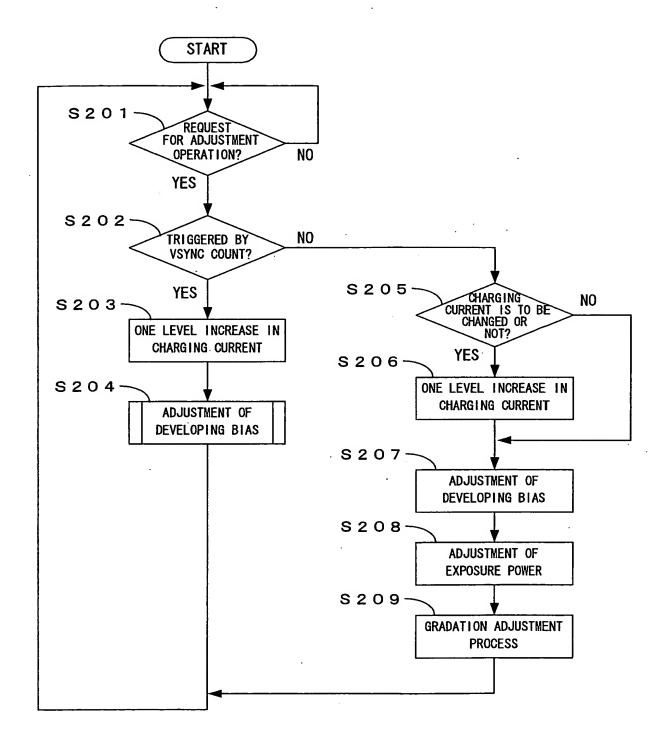
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 8 of 18

FIG. 8



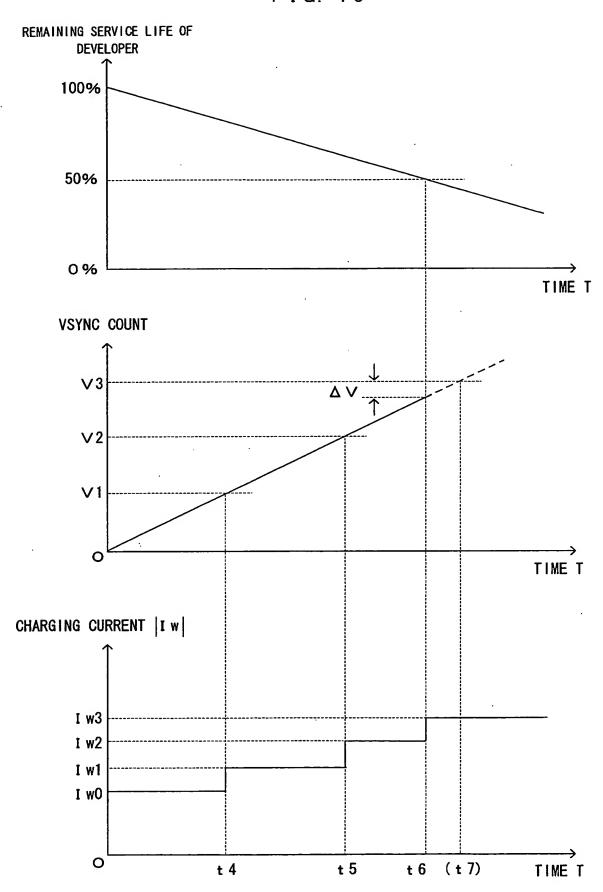
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 9 of 18

FIG. 9



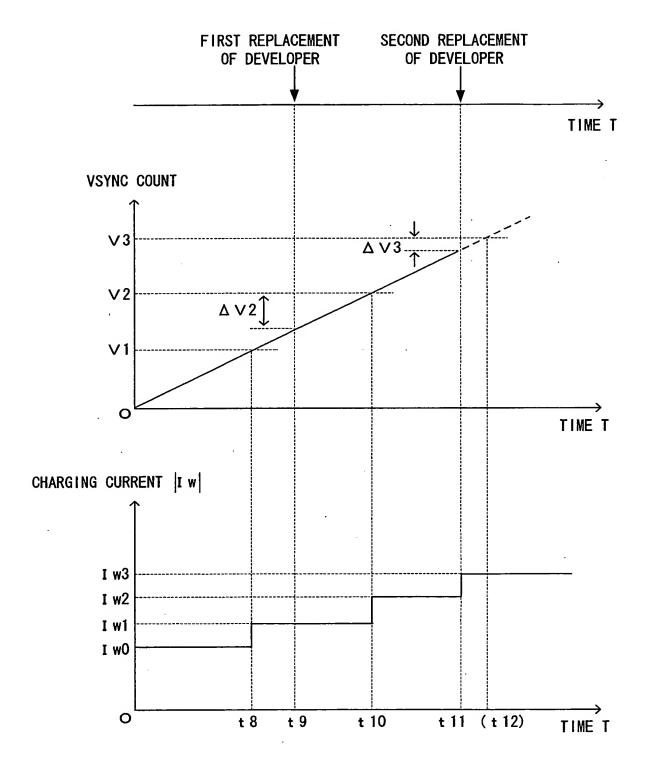
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 10 of 18

FIG. 10



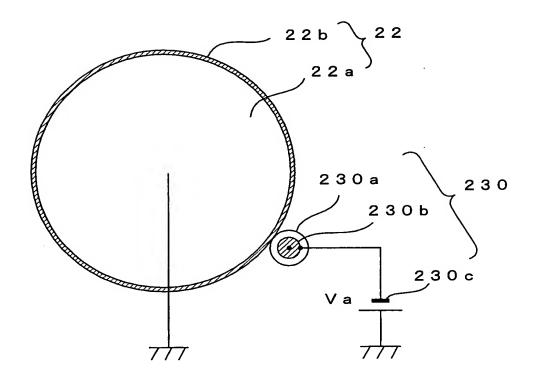
Hogan & Hartson 88522.0047 Keiichi TAGUCHI et al. Image Forming Apparatus and... EV 691 880 303 US 18 Drawing Sheets; Sheet 11 of 18

FIG. 11



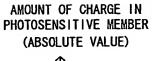
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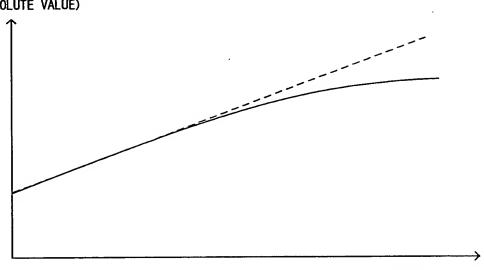
FIG. 12



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FIG. 13

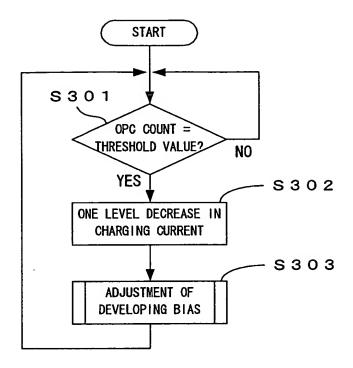




DETERIORATION OF PHOTOSENSITIVE MEMBER CONTAMINATION OF CHARGER WIRE

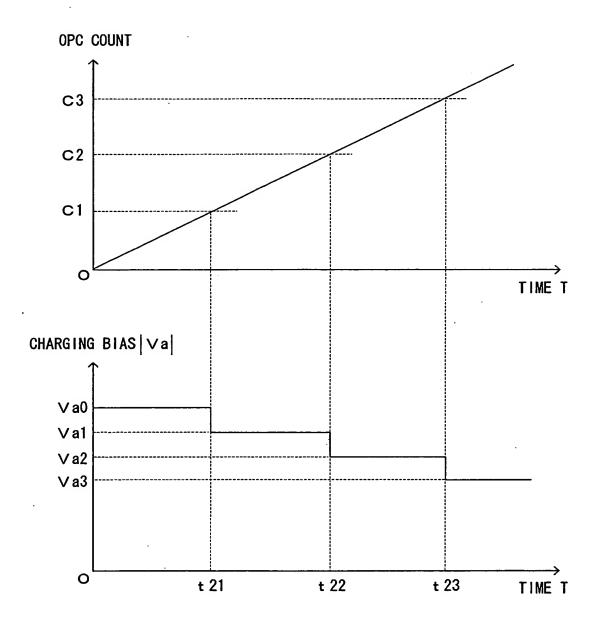
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FIG. 14



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FIG. 15



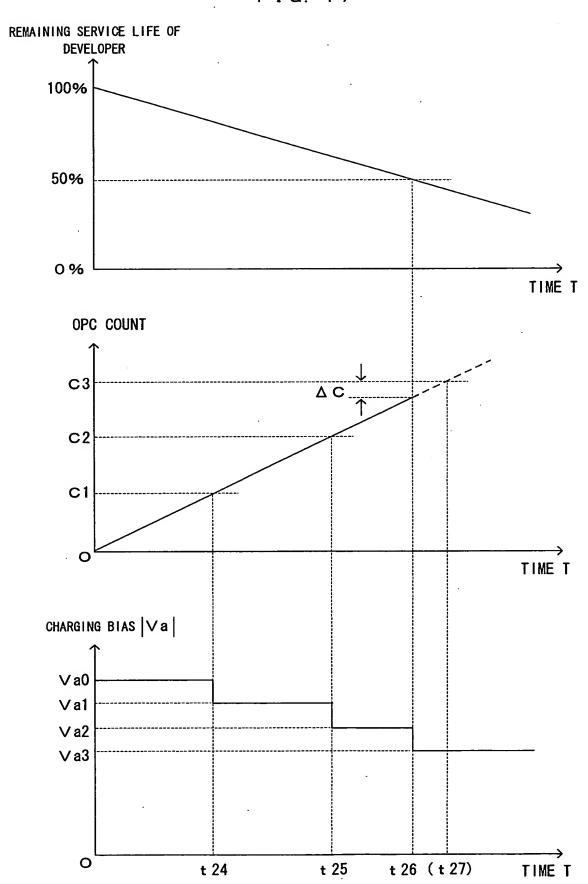
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FIG. 16

| OPC COUNT [×10 ³ cycle] | ESTIMATED FILM THINNING AMOUNT | BIAS ADJUSTMENT VALUE [∨] |
|------------------------------------|--------------------------------|---------------------------------|
| [× 10 Cycle] | [μπ] | [4] |
| 0 | 0 | 0 |
| 4 0 | 1 | -10 |
| 8 0 | 2 | -20 |
| 1 2 0 | 3 | -30 |
| 160 | 4 | -40 |
| 200 | 5 | -50 |
| 240 | 6 | -60 |
| 280 | 7 | -70 |
| 3 2 0 | 8 | -80 |
| 360 | 9 | -90 |
| 400 | 1 0 | -100 |

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FIG. 17



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FIG. 18

